(b) if so, by when the design and development of scientific instruments to be flown on Chandrayan is likely to become available;

(c) whether the mission is progressing as per schedule; and

(d) by when the launch is likely to take place?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) Yes Sir.

(b) The detailed design and development of the scientific instruments to be flown onboard Chandrayan-1 have commenced and will be completed as per schedule.

(c) Yes, Sir.

(d) The Chandrayan-1 is scheduled for launch in 2007-08.

Spply of Uranium from Russia

2028. SHRI R.K. ANAND: Will the PRIME MINISTER be pleased to state:

(a) whether it is fact that Russia has expressed its inability to supply enriched Uranium to keep the Tarapur Nuclear Power Plant going;

(b) if so, the reasons therefor; and

(c) what alternative arrangement has been initiated?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) No, Sir. No formal communication has been received from the Russian Government with regard to supply of enriched Uranium for Tarapur Atomic Power Station Units 1 and 2.

(b) Does not arise.

(c) MOX technology was developed indigenously for makiing fuel for Tarapur Atomic Power Station Units 1& 2.

Agreement with European Space Agency

2029. SHRI K. RAMA MOHANA RAO: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that ISRO had entered into an agreement with European Space Agency for paticipation in their space-based navigation system GALLILEO:

(b) if so, details of the agreement entered into between India and the European Space Agency;

(c) whether it is also a fact that ISRO is also planning to launch its own satellites for augmenting the navigational signals received from GALLILEO; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) No, Sir.

(b) Does not arise.

(c) No, Sir.

(d) Does not arise.

Inputs for Satellite Navigation Programme

2030. SHRI RAMA MUNI REDDY SIRIGIREDDY: Will the PRIME MINISTER be pleased to state:

(a) the major objectives of the Satellite Navigation apart from indigenous capability in Space;

(b) whether GAGAN, taken up by ISRO, in cooperation with the AAI has been a part of the Satellite Navigation System;

(c) whether the technological inputs required for conducting the Satellite Navigation Programme are all indigenously developed or are being procured from other countries of the world; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) and (b) The major objective of the satellite navigation programme is to provide accurate position and velocity data using signals received from navigation satellites for users like aviation, road and rail transport, sea going vessels etc. The satellite based augmentation system called GAGAN taken up by ISRO in cooperation with the Airports Authority of India is a part of the overall strategy for improving the accuracy of Global Positioning System (GPS) based satellite navigation services over the Indian region.